at1110paper_practice_test (v114)

1. Solve the equation.

$$(5x + 6)(7x - 8) = 0$$

2. Solve the equation.

$$9x^2 + 9x = 2x^2 - 3x - 5$$

3. Expand the following expression into standard form.

$$(8x - 7)(6x - 5)$$

4. Expand the following expression into standard form.

$$(3x + 4)(3x - 4)$$

5. Factor the expression.
$$64x^2 - 25$$

6. Factor the expression.
$$x^2 + 4x - 21$$

7. Solve the equation with factoring by grouping.
$$24x^2 - 20x + 18x - 15 \ = \ 0$$

8. Expand the following expression into standard form.
$$(3x + 5)^2$$